This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

Please cancel claims 26 and 27. Amend claims 4, 5, 10-13, 15-19, 21-22, and 24-25. Add claims 28 and 29.

4. (Currently Amended) A system for synchronizing isochronous [data] packets for delivery to a device, the system comprising:

an isochronous data processor configured to process said isochronous [data] packets, said isochronous data processor inserts a data marker at beginning of each of said isochronous [data] packets;

a firmware control configured to control operation of said isochronous data processor; and

a storage medium for storing said data markers and their associated isochronous [data] packets, wherein said isochronous data processor uses said data marker to resynchronize data delivery to said device when said data delivery contains a corrupted packet;

in response to a request for delivery of the stored data packets, said firmware control adapted to synchronize the delivery process by discarding packets acquired from said storage medium until a packet that defines a frame boundary is located and then delivering packets to the device.

- 5. (Currently Amended) The system according to claim 4, wherein said data delivery is re-synchronized in that said data delivery begins with an isochronous [data] packet which corresponds to a next frame boundary.
- 6. (Previously Amended) The system according to claim 4, wherein said isochronous data packets are transmitted in accordance with IEEE 1394 specification.

7-9. (Canceled)

10. (Currently Amended) A method for synchronizing isochronous data delivery, comprising:

setting a synchronization indicator to a first state;

examining an isochronous [data] packet to determine whether it contains a data marker;

if said isochronous [data] packet does not contain said data marker, discarding said isochronous [data] packet and repeating said examining with another isochronous [data] packet if necessary;

if said isochronous [data] packet contains said data marker, checking whether said synchronization indicator is set to a second state;

if said synchronization indicator is set to said second state, outputting said isochronous [data] packet to a requesting device;

if said synchronization indicator is not set to second state, checking whether said isochronous data packet corresponds to start of a frame;

if said isochronous [data] packet corresponds to start of said frame, setting said synchronization indicator to said second state and outputting said isochronous [data] packet to said requesting device; and

repeating said examining with another isochronous [data] packet if necessary.

- 11. (Currently Amended) The system according to claim 4, wherein upon retrieving data <u>items</u> from said storage medium, said isochronous data processor uses said data marker to synchronize data delivery to said device.
- 12. (Currently Amended) The system according to claim 11, wherein said data delivery is synchronized in that said data delivery begins with an isochronous data packet [which] that corresponds to a frame boundary.
- 13. (Currently Amended I) The system according to claim 4, wherein a record is stored in a buffer in the following order: the data marker, an isochronous header, and a plurality of the data [packets] items.
- 14. (Original) The system according to claim 13, wherein the record is stored on a hard disk.
- 15. (Currently Amended) The system according to claim 4, wherein the data marker is used to [determine] <u>locate</u> the start of a [packet] <u>frame</u>.
- 16. (Currently Amended) The system according to claim 15, wherein the <u>firmware control synchronizes data delivery</u> [packet is synchronized] to the start of a frame.
- 17. (Currently Amended) The system according to claim 16, wherein packets are discarded until a frame [start] boundary is detected.
- 18. (Currently Amended) The system according to claim 4, wherein [resynchronization of] data delivery is in response to a request for data from the device.
- 19. (Currently Amended) A method for synchronizing isochronous [data] packets for delivery to a device, the method executing in a processing system comprising the following performed by a processor:

receiving a stream of isochronous [data] packets;

inserting a data marker at beginning of each of said isochronous [data] packets; and

storing said data markers and their associated isochronous [data] packets on a storage medium[, wherein data markers are used to re-synchronize data delivery to said device when said data delivery contains a corrupted packet]

in response to a request for delivery of the stored data packets, synchronizing the delivery process by:

reading a data item to determine if it is a data marker;

when said data marker is identified, reading the next data item to acquire an associated isochronous header;

determining if the payload associated with said isochronous header is a frame boundary;

if said packet is not a frame boundary, discarding said packet and repeating said reading and determining steps;

if said packet is a frame boundary, deliver packet to the device.

- 20. (Original) The method of claim 19, further comprising: using the data marker to synchronize data delivery to the device.
- 21. (Currently Amended) The method of claim 20, wherein said data delivery is synchronized in that said data delivery begins with an isochronous [data]packet [which] that corresponds to a frame boundary.
- 22. (Currently Amended) The method of claim 19, further comprising: storing a record in a buffer in the following order: the data marker, an isochronous header, and a plurality of the data [packets] items.
- 23. (Original) The method of claim 22, wherein the record is stored on a hard disk.
- 24. (Currently Amended) The method of claim [19, wherein the data marker is used to determine the start of a packet] 23, further comprising transferring at least one record from said hard disk to said buffer prior to said reading and determining steps.
- 25. (Currently Amended) The method of claim 24, wherein the packet is synchronized to the start of a frame by selectively discarding packets in said record until a frame boundary is detected.
 - 26. (Canceled)
 - 27. (Canceled)
 - 28. (New) The method of claim 24 further comprising: detecting a corrupted packet; discarding subsequent data items until a marker is detected; and repeating said reading, determining, discarding and delivering steps.
 - 29. (New) The method of claim 19 further comprising: detecting a corrupted packet;

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discarding subsequent data items until a marker is detected; and repeating said reading, determining, discarding and delivering steps.